

**REMARKS**

Claims 1-10 are pending in the application. Claim 10 was previously added.

Applicant notes with appreciation that the Examiner has indicated that claims 9 and 10 are allowed. Applicant also notes with appreciation that claims 2, 4 and 8 would be allowable if rewritten in independent form, and that claims 9 and 10 are allowed. Applicant has not rewritten claims 2, 4 and 8 as independent claims because, as discussed below, Applicant believes that claims 1-8 are allowable over the cited art.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,636,235 to Miyazaki, hereinafter "Miyazaki". Applicant respectfully traverses this rejection.

Independent claim 1 provides a mounting arrangement for a laser source and at least one auxiliary electrical component associated therewith. The laser source and the auxiliary electrical component are mounted on a general plane of extension of a submount. The at least one auxiliary electrical component is mounted on the submount so that a longest dimension of the at least one auxiliary component is at least substantially orthogonal to the general plane of the submount.

Miyazaki discloses an array type semiconductor laser device including a unit semiconductor laser 1, an active layer 2, a submount 3, a wire 4, and first and second columns A1, A2 (col. 7, lines 11-17). Each column A1, A2 includes two unit semiconductor lasers 1 mounted on submount 3 (col. 8, lines 5-8).

Miyazaki discloses two columns, each of which include two separate laser sources. Whereas Miyazaki discloses only laser sources mounted on a submount, Miyazaki **does not disclose an auxiliary electrical source** associated with a laser source. Furthermore, although Miyazaki discloses stacks of laser sources, Miyazaki **does not disclose that the longest dimension of any of the laser sources is**

**orthogonal to the submount.** Indeed, as shown in Figs. 2(a)-2(c) of Miyazaki, it appears that the longest dimension of each laser source is parallel to the submount.

Therefore, Miyazaki does not disclose or suggest a "mounting arrangement for a laser source and at least one auxiliary electrical component associated therewith, said laser source and said auxiliary electrical component being mounted on a general plane of extension of a submount, wherein said at least one auxiliary electrical component is mounted on said submount so that a longest dimension of said at least one auxiliary electrical component is at least substantially orthogonal to said general plane of said submount," as recited in claim 1. Thus, Miyazaki does not disclose or suggest the elements of claim 1. Accordingly, claim 1 is patentable over Miyazaki.

For the reasons set forth above, the rejection of claim 1 under 35 U.S.C. 102(b) as anticipated by Miyazaki is overcome. Applicant respectfully requests that the rejection of claim 1 be reconsidered and withdrawn.

Claims 1, 3 and 7 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Publication No. 2002/0121863 to Morishita et al., hereinafter "Morishita". Applicant respectfully traverses this rejection.

Morishita discloses a semiconductor laser device including a semiconductor laser chip 430 (par. 0040). Semiconductor laser chip 430 is mounted with p-type electrode 403 facing downward and toward the upper surface of a supporting base 420, and a submount 410 is provided therebetween (par. 0041). A N-type electrode 404 is coupled by a wire 414b to a pin 411, which is electrically connected to an external connection terminal which is not a part of supporting base 420 (par. 0042). Current is thus supplied between the external connection terminal and supporting base 420 and accordingly supplied to semiconductor laser chip 430 (par. 0042).

Morishita discloses a laser source mounted on a submount and a pin mounted on a supporting base. Thus, Morishita discloses that **the laser source and the pin are**

**mounted on different surfaces.** Also, the pin disclosed in Morishita is simply an electrical connection. The **pin is not an auxiliary electrical component** as claimed in claim 1. Furthermore, the dimensions of the pin are not disclosed in Morishita, nor is it disclosed whether the pin is actually mounted on the supporting base or inserted into the supporting base. Thus, Morishita **does not disclose that the pin is mounted on the supporting base, or that the longest dimension of the pin is orthogonal to the supporting base.**

Therefore, Morishita does not disclose a "mounting arrangement for a laser source and at least one auxiliary electrical component associated therewith, said laser source and said auxiliary electrical component being mounted on a general plane of extension of a submount, wherein said at least one auxiliary electrical component is mounted on said submount so that a longest dimension of said at least one auxiliary electrical component is at least substantially orthogonal to said general plane of said submount," as recited in claim 1. Thus, Morishita does not disclose or suggest the elements of claim 1. Accordingly, claim 1 is patentable over Morishita.

Claims 3 and 7 depend from claim 1. For at least reasoning similar to that provided in support of the patentability of claim 1, claims 3 and 7 are patentable over Morishita.

For the reasons set forth above, the rejection of claims 1, 3 and 7 under 35 U.S.C. 102(e) as anticipated by Morishita is overcome. Applicant respectfully requests that the rejection of claims 1, 3 and 7 be reconsidered and withdrawn.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Morishita in view of U.S. Patent No. 6,781,727 to Auracher et al, hereinafter "Auracher". Applicant respectfully traverses this rejection.

As discussed above, Morishita does not disclose or suggest the elements of claim 1. Applicant does not believe that Auracher makes up for the deficiencies of

Morishita, as they apply to claim 1. Therefore, claim 1 is patentable over the cited combination of Morishita and Auracher.

Claim 6 depends from claim 1. For at least reasoning similar to that provided in support of the patentability of claim 1, claim 6 is patentable over the cited combination of Morishita and Auracher.

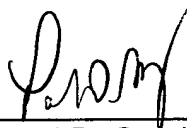
For the reasons set forth above, the rejection of claim 6 under 35 U.S.C. 103(a) as unpatentable over Morishita in view of Auracher is overcome. Applicant respectfully requests that the rejection of claim 6 be reconsidered and withdrawn.

An indication of the allowability of all pending claims by issuance of a Notice of Allowability is earnestly solicited.

Respectfully submitted,

Date: \_\_\_\_\_

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